



Attorney Docket: 36762-170004  
(formerly 36762-162143)

DECLARATION FOR UNITED STATES PATENT APPLICATION,  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "**POLYPHASE-DISCRETE FOURIER TRANSFORM (DFT) SUB-BAND DEFINITION FILTERING ARCHITECTURE**" the specification of which

- [ ] is attached hereto.
- [X] as filed on February 12, 2001 for Application No. 09/780,348, Confirmation Number 8059.
- [ ] as filed under the Patent Cooperation Treaty on \_\_\_\_\_, as Application No. \_\_\_\_\_, the United States of America being designated.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a).

I claim the benefit under Title 37, Code of Federal Regulations, § 1.78 (a)(3) of the United States provisional application(s) listed below insofar as the subject matter of claims of this application is disclosed in the prior United States provisional application in the manner provided by the first paragraph of 35 U.S.C. 112. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application(s)		Status		
Number	Date Filed	Patented	Pending	Abandoned

I hereby appoint the following attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: George H. Spencer (Reg. No. 18,038), Richard L. Aitken, (Reg. No. 18,791), Robert J. Frank (Reg. No. 19,112), Norman N. Kunitz (Reg. No. 20,586), Gabor J. Kelemen (Reg. No. 21,016), Laurence J. Marhoefer (Reg. No. 21,091), Marina V. Schneller (Reg. No. 26,032), Robert Kinberg (Reg. No. 26,924), Allen Wood (Reg. No. 28,134), John P. Shannon (Reg. No. 29,276), Clifton E. McCann (Reg. No. 29,565), Ashley J. Wells (Reg. No. 29,847), Richard D. Schmidt (Reg. No. 31,301), James R. Burdett (Reg. No. 31,594), Michael A. Gollin (Reg. No. 31,957), Catherine M. Voorhees (Reg. No. 33,074), Robert S. Babaiy (Reg. No. 33,471), Shmuel Livnat (Reg. No. 33,949), Gary L. Shaffer (Reg. No. 34,502), Andrew C. Aitken, (Reg. No. 36,729); Julie A. Petruzzelli (Reg. No. 40,769), Michael A. Sartori (Reg. No. 41,289), Jeffri Kaminski (Reg. No. 42,709), Fei-Fei Chao (Reg. No. 43,538), Charles C. P. Rories (Reg. No. 43,381), Ralph P. Albrecht, (Reg. No. 43,466), Jeffrey W. Gluck (Reg. No. 44,457) and Eric Weierstall (Reg. No. 46,331), all at Suite 1000, 1201 New York Avenue, N.W., Washington, D.C. 20005-3917, Telephone: (202) 962-4800, Telefax: (202) 962-8300. Address all correspondence to (Customer Number - 26694) VENABLE, Post Office Box 34385, Washington, D.C. 20043-9998.

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The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: Thomas C. Butash Date: April 9, 2001.

Sole/First Inventor: Thomas C. Butash

Citizenship: United States

Residence and Post Office Address: Centreville, Virginia